15 Feb 01

CDR, TRADOC, ATTN: ATCD-RP, FORT MONROE, VA 23651-1046

FOR SEE DISTRIBUTION

1. References:

    a. AR 71-9, 30 Apr 97, Materiel Requirements.

    b. AR 70-1, 15 Dec 97, Army Acquisition Policy.

    c. AR 73-1, 27 Feb 95, Test and Evaluation Policy.

    d. TRADOC Pam 71-9, 5 Nov 99, Requirements Determination.

2. In accordance with basic memorandum, all Army operational and tactical levels Command, Control, Communications, Computers, and Intelligence (C4I) Systems will be certified for intra-Army interoperability of their communications and data interfaces prior to fielding. This memorandum provides interim TRADOC guidance which will be finalized based on this year's experience and included in the fall 2001 TRADOC Pam 71-9 update.

3. This policy does not change TRADOC responsibilities and procedures, prescribed by above references, for determining and documenting a system's operational requirements and representing the user during acquisition.

    a. Combat developers define the system operational communications and data interfaces and information exchange interoperability requirements for inclusion in the Operational Requirement Document (ORD). When these operational requirements need further amplification, the combat developer provides a User Functional Description (UFD) per guidance of Appendix O, reference 1d. The Command, Control, Communications, and Computers Requirements Definition Program (C4RDP), described in Appendix N, reference 1d, is the key tool for defining these communications and data interoperability requirements.

    b. The ORD includes intra-Army and joint interoperability operational requirements for the system. Per basic memorandum, DISC4 certifies a system's intra-Army interoperability; the Joint Staff (J-6) certifies the joint interoperability. Each type of interoperability requirement should be clearly distinguishable in the ORD to avoid confusion during the different interoperability
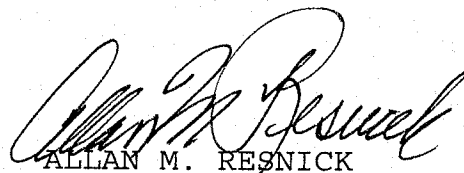
certification processes.   An intra-Army interoperability
requirement should be designated a Key Performance Parameters
(KPP) in the ORD, when it satisfies the conditions stated in
reference 1d.

    c.   Materiel developers (program and system managers in basic
memorandum) have the lead for translating the intra-Army
interoperability operational requirements into appropriate system
specifications and test criteria supporting the certification
process.   Combat developers participate via materiel developer
led integrated product teams per reference 1b.   The materiel
developer will coordinate the final set of system intra-Army
interoperability certification requirements and test criteria
with the TRADOC System Manager (TSM) or, when a TSM is not
assigned, the school Director of Combat Developments (DCD) before
submitting them to DISC4 for approval for use by the Central Test
Support Facility (CTSF).   This testing by CTSF is a developmental
test in accordance with definitions of reference 1c.

4.   TRADOC can expect increased coordination by materiel
developers as a result of this policy.   The policy specifically
requires materiel developers to coordinate certification test
requirements and criteria.   While intra-Army interoperability
testing by the CTSF has been part of the system acquisition
process, the DISC4 oversight and official certification and the
DCSOPS, Interoperability Directorate (now part of DCSPRO),
approval of modifications affecting interoperability are new with
this policy.   An additional HQDA oversight for acquisition and
modification programs normally increases challenges to ORDs.

5.   TRADOC point of contact is Mr. Mason McClanahan, ATCD-RP, DSN
680-3270; E-mail: mcclanam@monroe.army.mil.

FOR THE DEPUTY CHIEF OF STAFF FOR COMBAT DEVELOPMENTS:

        ALLAN M. RESNICK
          Assistant Deputy Chief of Staff
            for Combat Developments

ATCD-RP
SUBJECT: Intra-Army Interoperability Certification

DISTRIBUTION:
TRADOC System Managers
Commanders, U.S. Army Training Centers
Commandants, TRADOC Service Schools
HQ TRADOC, ATTN: ATCD-B, G, M, S, V, ATIC-ATMR

SAIS-IAA

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Intra-Army Interoperability Certification

This memorandum establishes an intra-Army interoperability certification requirement for communications/data interfaces for all Army operational-through tactical-level command, control, communications, computers and intelligence (C4I) systems.

Under the provisions of the DOD Directive (DODD) 4630.5, Compatibility, Interoperability, and Integration of Command, Control, Communications, and Intelligence (C3I) Systems, November 12, 1992 and the Chairman, Joint Chiefs of Staff Instruction (CJCSI) 6212.01B, Interoperability and Supportability of National Security Systems and Information Technology Systems, May 8, 2000, the Joint Interoperability Test Command (JITC), a component of the Defense Information Systems Agency, conducts joint level interoperability certification and recertification testing for C3I systems. This testing currently applies to C3I systems only (reference Army Regulation 73-1, Test and Evaluation Policy, February 27, 1995, paragraph 4-2b(8) and 4-4b(5)) and is not sufficient for certifying horizontal and vertical interoperability for intra-Army C4I systems at the operational and tactical levels.

Intra-Army interoperability certification applies to all Army operational-through tactical-level C4I systems prior to release to the field, regardless of the acquisition category. Communications/data interfaces testing in support of intra-Army interoperability certification will be addressed in Operational Test Readiness Reviews and considered entrance criteria prior to decision reviews, operational testing, and materiel release. Any modifications that impact previously established interface requirements to fielded systems require re-certification prior to approval for materiel release.

Once a system is certified as interoperable, it is considered a base case system. The Program Manager or System Manager shall make no unilateral changes to the base case system that have the potential of affecting interoperability unless agreed to by the Director, Deputy Chief of Staff for Operations and Plans (DCSOPS) Directorate of Integration. If requested changes are approved, the Program Manager or System Manager must bear the

re-certification cost of all affected systems within a period not exceeding 12 months from date of approval.

The following responsibilities are assigned:

a. The Director of Information Systems for Command, Control, Communications and Computers will:

(1) Serve as the intra-Army interoperability certification authority. The certification authority may be delegated to the system milestone decision authority. All certification actions will be returned to the test facility for distribution and record keeping.

(2) Approve the Central Test Support Facility (CTSF) test requirements and criteria for the intra-Army interoperability testing.

b. Director, DCSOPS Directorate of Integration is the approval authority for interoperability changes to a base case system.

c. The Program Managers and System Managers will program and budget funding for interoperability testing. The Program Managers and Systems Managers, in coordination with the U.S. Army Training and Doctrine Command System Managers, will provide the CTSF with a set of approved test requirements and criteria for intra-Army interoperability testing. Intra-Army interoperability testing and certification will be addressed in the individual program Test and Evaluation Master Plan or in a test concept document.

d. The CTSF, operated and funded by Program Executive Office, Command, Control and Communications Systems and located at Ft. Hood, Texas, is identified as the intra-Army interoperability testing facility to perform the communications/data interfaces testing. CTSF testing in support of the intra-Army certification process will not duplicate or limit testing conducted by the JITC, the U.S Army Test and Evaluation Command, or other test activities. The CTSF conducts the required intra-Army interoperability certification testing and provides the test results to the certification authority.

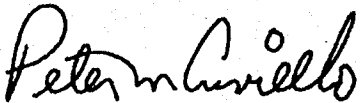The following definitions are provided:

a. Intra-Army Interoperability Certification. Confirmation that the candidate system has undergone appropriate testing and that the applicable

standards and requirements for compatibility, interoperability, and integration have been met.
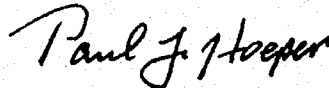
b. Interoperability. The ability of the systems, units, or forces to provide data, information, materiel, and services to and accept the same from other systems, units, or forces and to use data, information, materiel, and services so exchanged to enable them to operate effectively together.

c. Operational-through tactical-level C4I. Information systems designed to support from Army Forces headquarters down to the squad level.

This policy is effective immediately. Point of contact for this action is Ms. Marlu Vance, commerical: (703) 697-4883, DSN: 227-4883, email: Marlu.Vance@HQDA.Army.Mil.

PETER M. CUVIELLO
Lieutenant General, GS
Director of Information Systems
  for Command, Control,
  Communications, and Computers

Paul J. Hoeper
Army Acquisition Executive

DISTRIBUTION:
COMMANDERS
    U.S. ARMY MATERIEL COMMAND
    U.S. ARMY TRAINING AND DOCTRINE COMMAND
    U.S. ARMY SPACE AND MISSILE DEFENSE COMMAND
    U.S. ARMY TEST AND EVALUATION COMMAND

PROGRAM EXECUTIVE OFFICERS
    AVIATION
    AIR AND MISSILE DEFENSE
    COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS
    GROUND COMBAT AND SUPPORT SYSTEMS
    INTELLIGENCE, ELECTRONIC
    WARFARE AND SENSORS
    STANDARD ARMY MANAGEMENT INFORMATION SYSTEMS
    TACTICAL MISSILES

DISTRIBUTION: (CONT)
DEPUTIES FOR SYSTEMS ACQUISITION
    U.S. ARMY AVIATION AND MISSILE COMMAND
    U.S. ARMY COMMUNICATIONS-ELECTRONICS COMMAND
    U.S. ARMY TANK-AUTOMOTIVE AND ARMAMENTS COMMAND
    U.S. ARMY SPACE PROGRAMS OFFICE

CF:
ASSISTANT SECRETARY OF THE ARMY (ACQUISITION, LOGISTICS, AND
    TECHNOLOGY)
ASSISTANT SECRETARY OF THE ARMY (FINANCIAL MANAGEMENT AND
    COMPTROLLER)

DEPUTIES
    UNDER SECRETARY OF THE ARMY (OPERATIONS RESEARCH)
    CHIEF OF STAFF FOR LOGISTICS
    CHIEF OF STAFF FOR OPERATIONS AND PLANS
    CHIEF OF STAFF FOR INTELLIGENCE

DIRECTORS
    TEST AND EVALUATION MANAGEMENT AGENCY
    ARMY INTEGRATION OFFICE
    JOINT INTEROPERABILITY TEST COMMAND
    DEFENSE INFORMATION SYSTEMS AGENCY